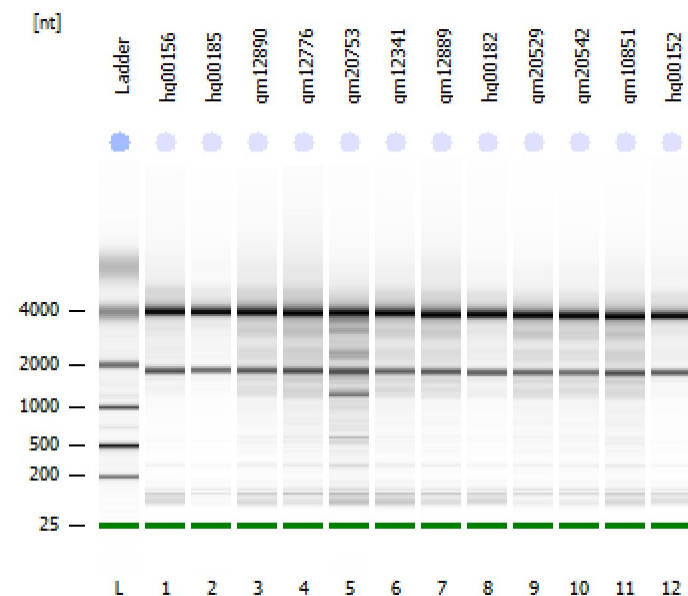


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

Created: 10/11/2011 4:12:51 PM
Modified: 10/11/2011 4:36:45 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

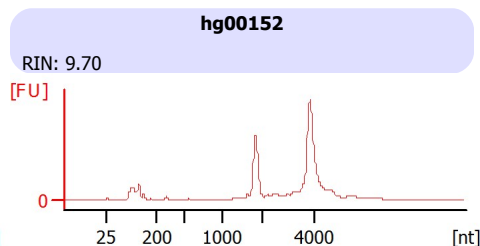
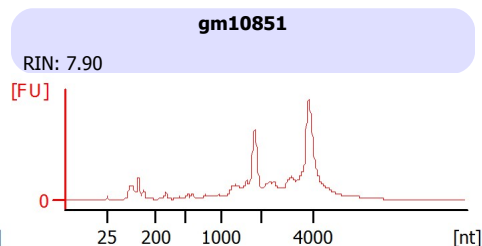
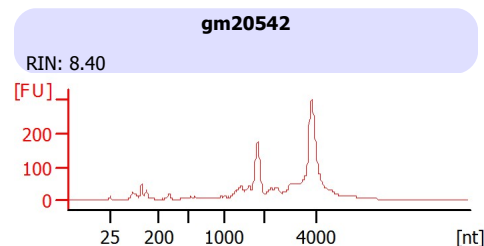
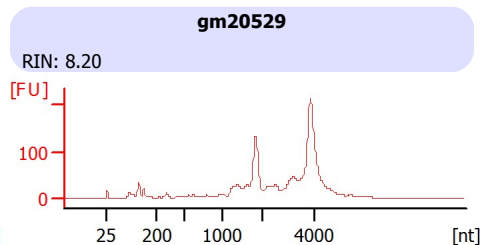
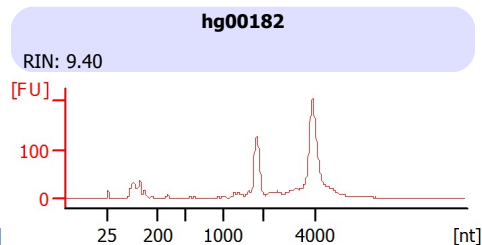
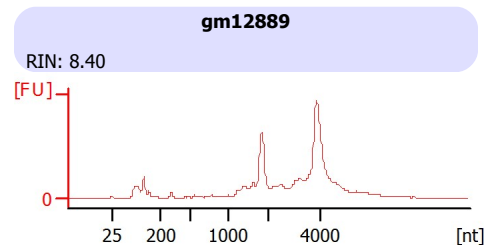
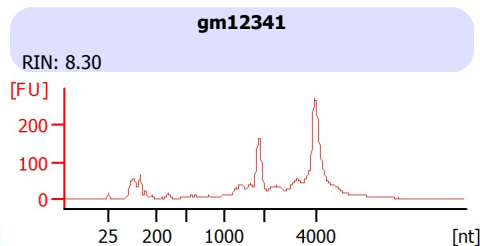
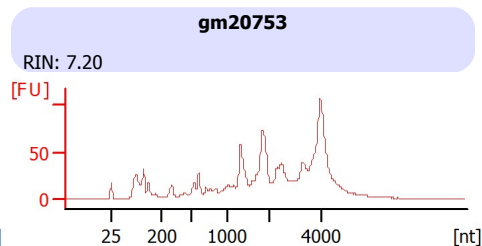
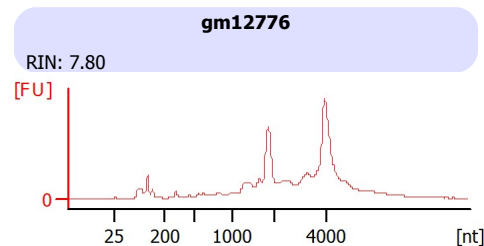
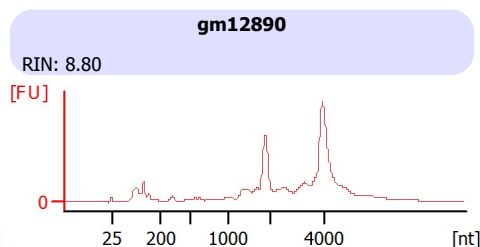
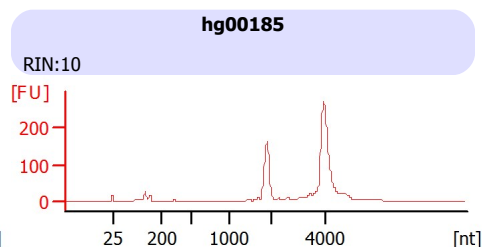
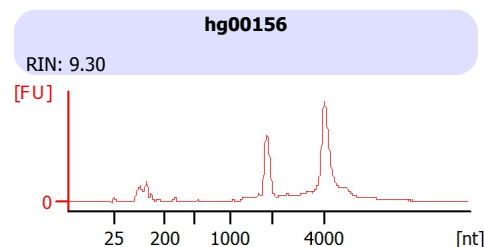
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

Created: 10/11/2011 4:12:51 PM
Modified: 10/11/2011 4:36:45 PM

Electrophoresis File Run Summary (Chip Summary)

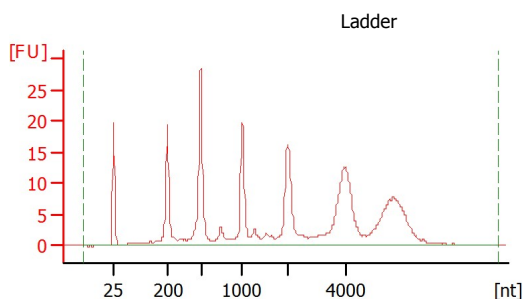
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00156		✓	RIN: 9.30	
hg00185		✓	RIN:10	
gm12890		✓	RIN: 8.80	
gm12776		✓	RIN: 7.80	
gm20753		✓	RIN: 7.20	
gm12341		✓	RIN: 8.30	
gm12889		✓	RIN: 8.40	
hg00182		✓	RIN: 9.40	
gm20529		✓	RIN: 8.20	
gm20542		✓	RIN: 8.40	
gm10851		✓	RIN: 7.90	
hg00152		✓	RIN: 9.70	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

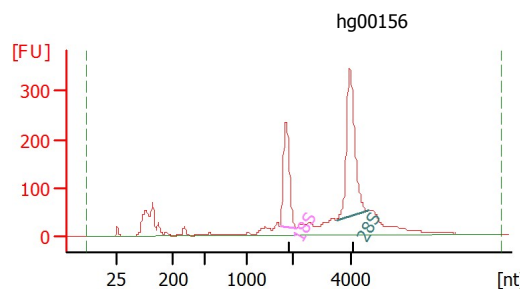
Created: 10/11/2011 4:12:51 PM
 Modified: 10/11/2011 4:36:45 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 298.8
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

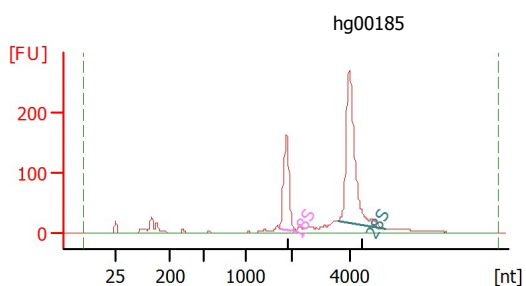


Overall Results for sample 1 : hg00156

RNA Area: 2,583.3
 RNA Concentration: 1,297 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 1 : hg00156

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,161	415.4	16.1
28S	3,518	4,629	683.3	26.5

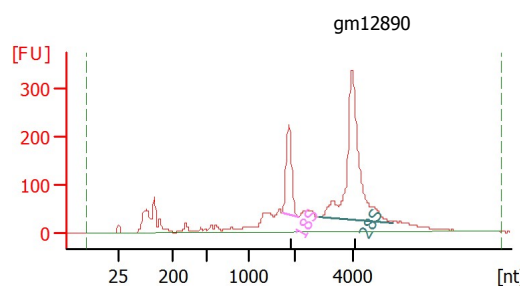


Overall Results for sample 2 : hg00185

RNA Area: 1,335.2
 RNA Concentration: 670 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

Fragment table for sample 2 : hg00185

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,150	272.1	20.4
28S	3,555	5,190	590.8	44.2



Overall Results for sample 3 : gm12890

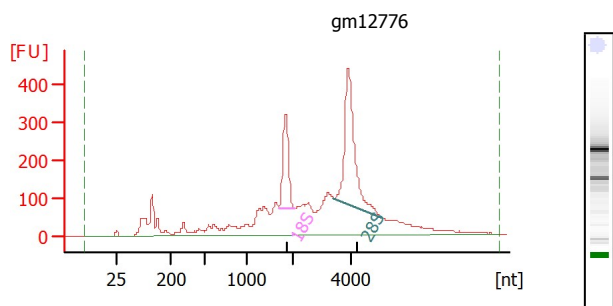
RNA Area: 3,249.1
 RNA Concentration: 1,631 ng/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 3 : gm12890

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,136	334.0	10.3
28S	2,853	5,362	1,016.5	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

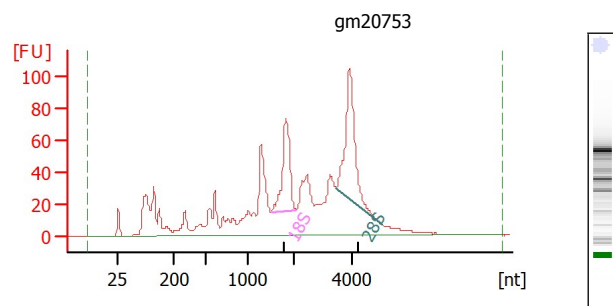
Created: 10/11/2011 4:12:51 PM
Modified: 10/11/2011 4:36:45 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : gm12776**

RNA Area: 5,094.0
RNA Concentration: 2,557 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 7.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.80

Fragment table for sample 4 : gm12776

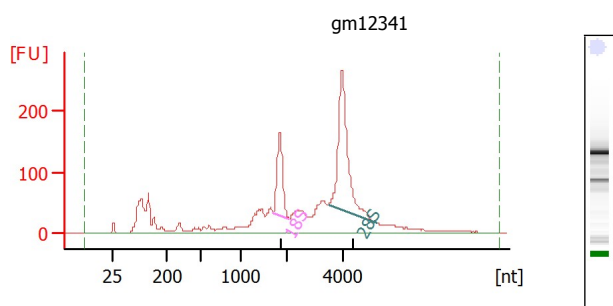
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,120	441.2	8.7
28S	3,428	5,123	960.4	18.9

**Overall Results for sample 5 : gm20753**

RNA Area: 1,541.4
RNA Concentration: 774 ng/μl
rRNA Ratio [28s / 18s]: 1.5
RNA Integrity Number (RIN): 7.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.20

Fragment table for sample 5 : gm20753

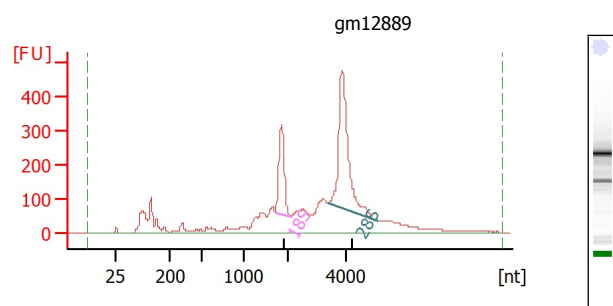
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	2,118	137.6	8.9
28S	3,460	5,018	210.3	13.6

**Overall Results for sample 6 : gm12341**

RNA Area: 2,615.3
RNA Concentration: 1,313 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 6 : gm12341

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,112	237.7	9.1
28S	3,454	5,131	593.6	22.7

**Overall Results for sample 7 : gm12889**

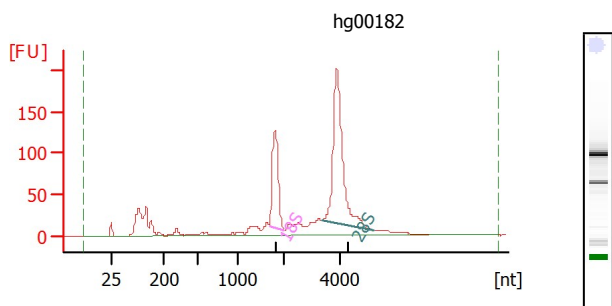
RNA Area: 4,617.7
RNA Concentration: 2,318 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 7 : gm12889

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,081	447.8	9.7
28S	3,353	5,093	1,060.9	23.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

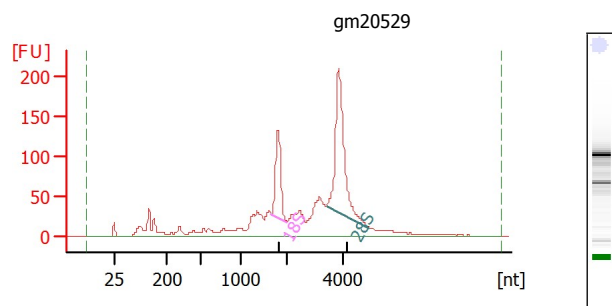
Created: 10/11/2011 4:12:51 PM
Modified: 10/11/2011 4:36:45 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : hg00182**

RNA Area: 1,461.1
RNA Concentration: 733 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 8 : hg00182

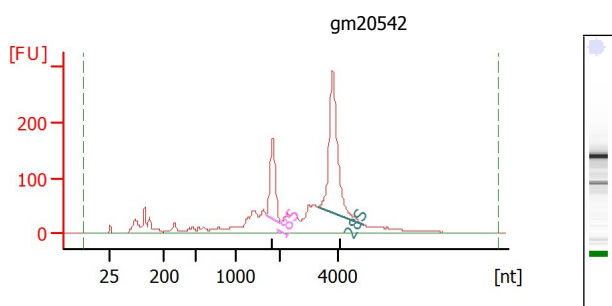
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,064	222.0	15.2
28S	3,356	5,177	484.5	33.2

**Overall Results for sample 9 : gm20529**

RNA Area: 1,840.3
RNA Concentration: 924 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.20

Fragment table for sample 9 : gm20529

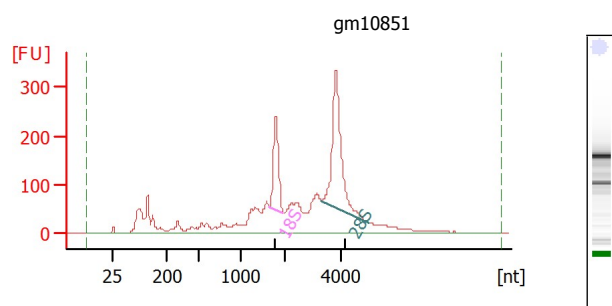
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,020	183.0	9.9
28S	3,415	4,898	427.8	23.2

**Overall Results for sample 10 : gm20542**

RNA Area: 2,457.9
RNA Concentration: 1,234 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 10 : gm20542

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,001	250.4	10.2
28S	3,316	4,927	621.6	25.3

**Overall Results for sample 11 : gm10851**

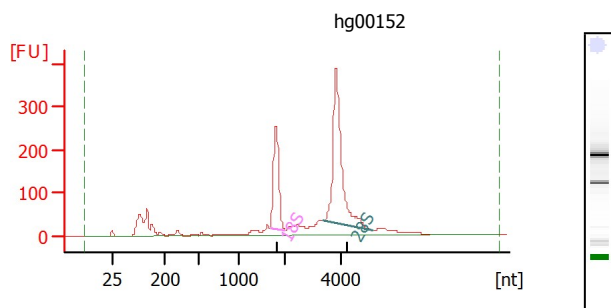
RNA Area: 3,548.4
RNA Concentration: 1,781 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 7.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.90

Fragment table for sample 11 : gm10851

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,973	322.8	9.1
28S	3,315	4,952	698.2	19.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_16-12-51.xad

Created: 10/11/2011 4:12:51 PM
Modified: 10/11/2011 4:36:45 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : hg00152**

RNA Area: 2,483.7
RNA Concentration: 1,247 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

Fragment table for sample 12 : hg00152

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,049	415.3	16.7
28S	3,356	5,118	854.1	34.4